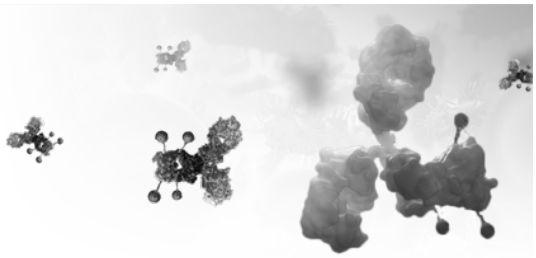

Anti-CD34 monoclonal antibody, clone MEC14.7 [Biotin] (CABT-50425RM)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rat anti Mouse CD34 antibody, clone MEC14.7 recognizes the murine CD34 cell surface antigen, which is expressed by endothelial cells and by haematopoietic stem cells. This antibody recognizes a neuraminidase sensitive epitope. As in the human system, CD34 antibodies in the mouse demonstrate slightly different staining patterns depending on their fine specificity. Rat anti Mouse CD34 antibody, clone MEC14.7 appears to recognize a subset of the stem cell population recognized by clone RAM34, and it is thought that this is due to differences in the epitope recognized by the two antibodies. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors.
Specificity	CD34
Immunogen	T-end.1, a pMT transformed endothelial cell line
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Mouse
Clone	MEC14.7
Conjugate	Biotin
Applications	FC
Format	Purified IgG conjugated to Biotin - liquid
Size	25 µg
Preservative	See individual product datasheet

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Storage	in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	Cd34 CD34 antigen [Mus musculus (house mouse)]
Official Symbol	CD34
Synonyms	CD34; CD34 antigen; AU040960; hematopoietic progenitor cell antigen CD34; cluster designation 34;
Entrez Gene ID	12490
Protein Refseq	NP_001104529
UniProt ID	Q64314
Chromosome Location	1 H6; 1 98.38 cM
Pathway	Adaptive Immune System; Cell adhesion molecules (CAMs); Hematopoietic cell lineage; Immune System; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell;
Function	carbohydrate binding; sulfate binding; transcription factor binding;

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221